

AMENDMENTS TO THE CLAIMS

Claims 1 and 2. (Canceled)

3. (New) A remote operation wire line core sampling device comprising:
a water swivel assembly;
a drill rod coaxially connected to said water swivel assembly;
a wire line core barrel coaxially connected to a lower end of said drill rod and having at a forward end a bit for annularly digging ground;
an inner tube assembly detachably set in said wire line core barrel; and
an over-shot assembly for grasping an upper end portion of said inner tube assembly,
wherein said water swivel assembly includes an upper water supply port at an upper position of said water swivel assembly and a lower water supply port at a lower position of said water swivel assembly, and accommodates said over-shot assembly at an intermediate position, such that a pressurized fluid is to be supplied from said upper water supply port to make it possible to lower said over-shot assembly through said drill rod to an upper end of said inner tube assembly.

4. (New) A remote operation wire line core sampling device comprising:
a drill head portion of a sea-bottom core drill;
a chuck rotatably mounted to said drill head portion;
a drill rod to be grasped by said chuck;
a wire line core barrel connected to said drill rod and having at a forward end a bit for annularly digging ground;
an inner tube assembly detachably provided withing said wire line core barrel;
an over-shot assembly for grasping an upper end portion of said inner tube assembly, and raising said inner tube assembly through said drill rod; and

a mechanism for lifting said drill head, while said drill rod is retained in a hole, for extracting said inner tube assembly from said drill rod.